## **CLAIMS**

1. A pyrrole derivative represented by a formula [1]:

$$R^1$$
 $R^2$ 
 $N$ 
 $H$ 

(wherein  $R^1$  and  $R^2$  each independently represents a hydrogen atom or a substituted or unsubstituted  $C_{1-10}$  hydrocarbon group).

2. A pyrrole derivative represented by a formula [2]:

$$R^1$$
 $R^2$ 
 $R^2$ 
 $R^2$ 

(wherein  $R^1$  and  $R^2$  each independently represents a hydrogen atom or a substituted or unsubstituted  $C_{1-10}$  hydrocarbon group, and Z represents an organic group).

- 3. A pyrrole derivative according to claim 2, wherein Z is a protecting group for the nitrogen atom.
- 4. A pyrrole derivative according claim 3, wherein the protecting group for the nitrogen atom is a tosyl group.
- 5. A process for producing the pyrrole derivative represented by the formula [2]:

$$R^1$$
 $R^2$ 
 $R^2$ 
 $R^2$ 

(wherein  $R^1$  and  $R^2$  each independently represents a hydrogen atom or a substituted or unsubstituted  $C_{1-10}$  hydrocarbon group, and Z represents an organic group), comprising the step of reacting a pyrrole derivative represented by a formula [3] with an alkali metal sulfide:

$$R^1$$
 $R^2$ 
 $R^2$ 
 $R^3$ 

(wherein  $R^1$  and  $R^2$  each independently represents a hydrogen atom or a substituted or unsubstituted  $C_{1-10}$  hydrocarbon group, X and Y each independently represents a halogen atom, and Z represents an organic group).

6. A process for producing the pyrrole derivative represented by the formula [1]:

$$R^1$$
  $R^2$  (1)

(wherein  $R^1$  and  $R^2$  each independently represents a hydrogen atom or a substituted or unsubstituted  $C_{1-10}$  hydrocarbon group), comprising the step of deprotecting a protecting group of a pyrrole derivative represented by a formula [4]:

$$R^1$$
 $R^2$ 
 $R^2$ 
 $R^3$ 
 $R^2$ 

(wherein  $R^1$  and  $R^2$  each independently represents a hydrogen atom or a substituted or unsubstituted  $C_{1-10}$  hydrocarbon group, and Z" represents the protecting group for the nitrogen atom).

7. A process for producing the pyrrole derivative according to claim 6, wherein Z" in the formula [4] is a tosyl group and the deprotection of the tosyl group is carried out by using sodium bis(2-methoxyethoxy) aluminum hydride.